

Patent  
236/092

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Anticipated Classification of this application:

Class \_\_\_\_\_ Subclass \_\_\_\_\_

Prior application: 222/211

Examiner: Marschel

Art Unit: 1634

PROX PATENT APPLICATION

Assistant Commissioner for Patents

Washington, D.C. 20231

FILING UNDER 37 CFR 1.53(B)

This is a request for filing for a

☒ continuation ☐ divisional

application under 37 CFR 1.53(b) of pending prior application Serial No. 08/725,976, filed on November 4, 1996, which is a Continuation of 08/146,504 filed on November 1, 1993, now U.S. Patent No. 5,605,662.

Michael J. Heller and Eugene Tu.

for: SELF-ADDRESSABLE SELF-ASSEMBLING MICROELECTRONIC SYSTEMS AND DEVICES FOR MOLECULAR BIOLOGICAL ANALYSIS AND DIAGNOSTICS

1. COPY OF PRIOR APPLICATION AS FILED WHICH IS ATTACHED

☒ I hereby verify that the attached papers are a true and complete copy of what is shown in my records to be the above-identified prior application, including the oath or declaration as originally filed. (37 CFR 1.53)

<u>53</u>	Pages of Specification	
<u>10</u>	Pages of Claims	
<u>1</u>	Pages of Abstract	
<u>16</u>	Sheets of Drawings	X formal informal
<u>2</u>	Pages of Declaration and Power of Attorney	
<u>X</u>	Small Entity Statement	

OC-8531.1

CERTIFICATE OF MAILING  
(37 C.F.R. §1.10)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as 'Express Mail Post Office To Addressee' in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

EL111205728US

Express Mail Label No.

August 4, 1998

Date of Deposit

Denise N. Doss

Name of Person Mailing Paper

Denise N. Doss  
Signature of Person Mailing Paper

- ☒ In accordance with the indication required by 37 CFR 1.53(b), my records reflect that the original signed declaration showing applicant's signature was signed on December 28, 1993 and filed on January 31, 1994.
- ☐ The amendment referred to in the declaration filed to complete the prior application, and I hereby state, in accordance with the requirements of 37 CFR 1.53(b), that this amendment did not introduce new matter therein.

**2. AMENDMENTS**

- ☐ Cancel in this application original Claims \_\_\_\_\_ of the prior application before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
- ☒ A Preliminary Amendment is enclosed. (Claims added by Amendment must be numbered consecutively beginning with the number next following the highest numbered original claim in the prior application.)

**3. INFORMATION DISCLOSURE STATEMENT**

- ☐ An Information Disclosure Statement, PTO 1449, and references are submitted herewith.

**4. PETITION FOR SUSPENSION OF PROSECUTION FOR THE TIME TO FILE AN AMENDMENT**

- ☐ There is provided herewith a PETITION FOR SUSPENSION OF PROSECUTION FOR THE TIME NECESSARY TO FILE AN AMENDMENT (NEW APPLICATION FILED CONCURRENTLY).

**5. FEE CALCULATION**

<b>BASIC FILING FEE:</b>				\$790.00
Total Claims	6	- 20	= x \$22	\$0.00
Independent Claims	4	- 3	= 1 x \$82	\$82.00
Multiple Dependent Claims	\$270 (if applicable)			
Surcharge 37 CFR 1.16(e)	\$130 (if applicable)			
<b>TOTAL OF ABOVE CALCULATIONS</b>				<b>\$ 872.00</b>
Reduction by 1/2 for Filing by Small Entity. Note 37 CFR 1.9, 1.27, 1.28. If applicable, Verified Statement must be attached.				\$-436.00
Misc. Filing Fees (Recordation of Assignment)				
<b>TOTAL FEES SUBMITTED HEREWITH</b>				<b>\$436.00</b>

- ☐ The fee for extra claims is not being paid at this time.

Filing Fee Calculation -----

**6. SMALL ENTITY STATUS**

- ☐ A Verified Statement to establish small entity under 37 CFR 1.9 and 1.27 is attached
- ☒ has been filed in the prior application and such status is still proper and desired. [37 CFR 1.28(a)]

**7. DRAWINGS**

[NOTE: DO NOT CHECK THIS IF PRIOR CASE IS NOT TO BE ABANDONED.]

- ☐ Transfer the drawings from the prior application to this application and, subject to Item 16 below, abandon said prior application as of the filing date accorded to this application. A duplicate copy of this request is enclosed for filing in the prior application file.  
[May only be used if signed by (1) applicant, (2) assignee of record or (3) attorney or agent of record authorized by 37 CFR 1.138 and before payment of issue fee.]
- ☐ Transfer the following sheet(s) of drawings from the prior application to this application.
- ☒ The drawings enclosed represent a copy of the "Formal Drawings" which were prepared and filed in parent Application Serial No. 08/146,504.

**8. PRIORITY - 35 U.S.C. 119**

- ☐ Priority of application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_ in \_\_\_\_\_ [country] is claimed under 35 U.S.C. 119.
- ☐ The certified copy has been filed in prior U.S. application Serial No. \_\_\_\_\_ on \_\_\_\_\_.
- ☐ The certified copy will follow.

**9. RELATE BACK - 35 U.S.C. 120**

- ☒ Amend the Specification by inserting before the first line the sentence:  
This is a continuation of co-pending application Serial No. 08/725,976 filed October 4, 1996, which is a continuation of application Serial No. 08/146,504, filed November 1, 1993, which issued as U.S. Patent No. 5,605,662.

10. INVENTORSHIP STATEMENT

- ☐ With respect to the prior co-pending U.S. application from which this application claims benefit under 35 U.S.C. 120, the inventor(s) in this application is (are):
- ☐ the same
- ☐ less than those named in the prior application and it is requested that the following inventor(s) identified above for the prior application be deleted:
- [type name(s) of inventor(s) to be deleted]
- ☒ The inventorship for all the claims in this application are:
- ☒ the same
- ☐ not the same, and an explanation, including the ownership of the various claims at the time the last claimed invention was made, is submitted.

11. ASSIGNMENT

- ☒ The prior application is assigned of record to Nanogen, Inc.
- ☐ An Assignment of the invention to \_\_\_\_\_ is attached.

12. FEE PAYMENT BEING MADE AT THIS TIME

- ☐ Not attached. No filing fee is submitted. [This and the surcharge required by 37 CFR 1.16(e) can be paid subsequently.]
- ☒ Attached.
- ☒ Filing fee. \$436.00
- ☐ Recording assignment. [\$40.00 37 CFR 1.21(h)(1)] .....  
Petition fee for filing by other than all the inventors or  
person on behalf of the inventor where inventor refused  
to sign or cannot be reached.  
[\$130.00; 37 CFR 1.47 and 1.17(h)] .....  
☐ Petition fee to Suspend Prosecution for the Time  
Necessary to File an Amendment (New Application Filed  
Concurrently.  
[\$130.00; 37 CFR 1.103 and 1.17(i)(1)] .....

- ☐ For processing an application with a specification in a non-English language.  
[\$130.00; 37 CFR 1.52(d) and 1.17(k)] -----
- ☐ Processing and retention fee.  
[\$130.00; 37 CFR 1.53(d) and 1.21(l)] -----

**Total Fees Enclosed** \$436.00

**13. METHOD OF PAYMENT OF FEES**

- ☒ Attached is a check in the amount of \$436.00.
- ☐ Charge Deposit Account No. **12-2475** in the amount of \_\_\_\_\_.

**14. AUTHORIZATION TO CHARGE ADDITIONAL FEES**

The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Deposit Account No. **12-2475**:

- ☒ 37 CFR 1.16 (filing fees)
- ☒ 37 CFR 1.16 (presentation of extra claims)
- ☒ 37 CFR 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
- ☒ 37 CFR 1.17 (application processing fees)
- ☐ 37 CFR 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b))

**15. INSTRUCTIONS AS TO OVERPAYMENT**

- ☒ Credit Deposit Account No. **12-2475**.
- ☐ Refund

**16. POWER OF ATTORNEY**

- ☐ The power of attorney in the prior application is to -----
- ☐ The power of attorney in the prior application is to the registered attorneys listed below and members of or associates in the law firm of **LYON & LYON LLP**, 633 West Fifth Street, 47<sup>th</sup> Floor, Los Angeles, California 90071, Registration No. 11,611, whose members are registered to practice in the U.S. Patent and Trademark office:

Roland N. Smoot, Reg. No. 18,718  
Conrad R. Solum, Jr., Reg. No. 20,467  
James W. Geriak, Reg. No. 20,233  
Robert M. Taylor, Jr., Reg. No. 19,848  
Samuel B. Stone, Reg. No. 19,297  
Douglas E. Olson, Reg. No. 22,798  
Robert E. Lyon, Reg. No. 24,171  
Robert C. Weiss, Reg. No. 24,939  
Richard E. Lyon, Jr., Reg. No. 26,300  
John D. McConaghy, Reg. No. 26,733  
William C. Steffin, Reg. No. 26,811  
Coe A. Bloomberg, Reg. No. 26,605  
J. Donald McCarthy, Reg. No. 25,119  
John M. Benassi, Reg. No. 27,483  
James J. Shalek, Reg. No. 29,749  
Allan W. Jansen, Reg. No. 29,035  
Robert W. Dickerson, Reg. No. 29,914  
Roy L. Anderson, Reg. No. 30,240  
David B. Murphy, Reg. No. 31,125

James C. Brooks, Reg. No. 29,898  
Jeffrey M. Olson, Reg. No. 30,790  
Steven D. Hemminger, Reg. No. 30,755  
Jerrold B. Reilly, Reg. No. 32,293  
Paul H. Meier, Reg. No. 32,274  
John A. Rafter, Jr., Reg. No. 31,653  
Kenneth H. Ohriner, Reg. No. 31, 646  
Mary S. Consalvi, Reg. No. 32,212  
Lois M. Kwasigroch, Reg. No. 35,579  
Lawrence R. LaPorte, Reg. No. 38,948  
Robert C. Laurensen, Reg. No. 34,206  
Carol A. Schneider, Reg. No. 34,923  
Hope E. Melville, Reg. No. 34,874  
Michael J. Wise, Reg. No. 34,047  
Richard J. Warburg, Reg. No. 32,327  
Kurt T. Mulville, Reg. No. 37,194  
Theodore S. Maceiko, Reg. No. 35,593  
Bruce G. Chapman, Reg. No. 33,846  
F.T.Alexandra Mahaney, Reg. No. 37,668  
Reg. No. \_\_\_\_\_

- ☒ The power appears in the original papers in the prior application.
- ☐ The power does not appear in the original papers, but was filed on \_\_\_\_\_ in this application.
- ☐ A new power has been executed and is attached.
- ☒ Address all future communications to:

LYON & LYON LLP  
633 West Fifth Street, 47<sup>th</sup> Floor  
Los Angeles, California 90071  
(213) 489-1600  
Attention: David B. Murphy

17. **MAINTENANCE OF CO-PENDENCY OF PRIOR APPLICATION**

- ☐ A petition, fee and response has been filed to extend the term in the pending **prior** application until \_\_\_\_\_. A copy of the petition for extension of time in the **prior** application is attached.

18. **CONDITIONAL PETITIONS FOR EXTENSION OF TIME IN PRIOR APPLICATION**

- ☐ A conditional petition for extension of time is being filed in the pending **prior** application. A copy of the conditional petition for extension of time in the **prior** application is attached.


19. **ABANDONMENT OF PRIOR APPLICATION**

- ☐ Please abandon the prior application at a time while the prior application is pending or when the petition for extension of time or to revive in that application is granted and when this application is granted a filing date so as to make this application co-pending with said prior application. At the same time, please add the words "now abandoned" to the amendment of the specification set forth in Item 13 above.

Respectfully submitted,

LYON & LYON LLP

Dated: August 4, 1998

By:   
David B. Murphy  
Reg. No. 31,125

DBM/dnd  
633 West Fifth Street, Suite 4700  
Los Angeles, California 90071-2066  
(714) 751-6606 or (213) 489-1600

Enclosures

Nanogen, Inc.  
Name of Assignee

10398 Pacific Center Court, San Diego, California 92121  
Address of Assignee

Harry J. Leonhardt, Esq.  
Title of person authorized to sign on behalf of assignee

Assignment recorded in PTO on March 4, 1994, Reel 6898, Frame 421